

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L11	0	synthetic near5 quartz near5 window and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:30
L12	3	synthetic and quartz near5 window and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:30
L13	1330256	synthetic ner5 quartz and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:31
L14	132	synthetic near5 quartz and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:31
L15	165	synthetic near5 (silica quartz) and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:35
L16	143	synthetic near5 (silica quartz) not near5 crucible and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:35
L17	137	synthetic near5 (silica quartz) not near10 crucible and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:35
L18	93	synthetic near5 (silica quartz) not near10 crucible and czochralski and @py<"2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:35

L19	11	synthetic near5 (silica quartz) near10 (tube or insulat\$5 or window or open\$4) and czochralski and @py< "2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:39
L20	68	(silica quartz) near20 window and czochralski and @py< "2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:45
L21	0	(synthetic) near5 (silica quartz) near20 window and czochralski and @py< "2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:46
L22	2	(synthetic) near5 (silica quartz) and (silica quartz) near20 window and czochralski and @py< "2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:46
L23	12	(silica quartz) near20 (window and (pure purity )) and czochralski and @py< "2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 09:57
L24	70	(silica quartz) near20 ((pure purity )) and (quartz or silica) near10 part and czochralski and @py< "2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 10:04
L25	17	(silica quartz) near20 ((pure purity )) and (quartz or silica) near10 shield\$4 and czochralski and @py< "2007"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 10:07
L26	15	clean\$5 near10 quartz near5 crucible and Czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 11:30

L27	26	(US-20070158653-\$ or US-20050120945-\$ or US-20040007790-\$ or US-20060130738-\$ or US-20050090079-\$ or US-20030116082-\$ or US-20030079674-\$ or US-20050129603-\$ or US-20080035050-\$ or US-20030203519-\$). did. or (US-5762672-\$ or US-5730800-\$ or US-5667585-\$ or US-5378900-\$ or US-6068699-\$ or US-5734195-\$ or US-5158906-\$ or US-5943552-\$ or US-5810934-\$ or US-5373805-\$ or US-5361721-\$). did. or (EP-691423-\$). did. or (JP-05009096-\$ or JP-05238874-\$ or JP-03080193-\$). did. or (EP-419044-\$). did.	US_PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/02/28 11:46
L28	4	27 and quartz near10 window	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/28 11:46
S1	57	czochralski and (cu or copper) near15 quartz	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 03:50
S2	37	nv near15 osf and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 03:59
S3	1375	(cu or copper) near15 (si or silicon) near5 (monocrystal\$5 or single near2 crystal\$6)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 04:23
S4	95	(cu or copper) near15 (si or silicon) near5 (monocrystal\$5 or single near2 crystal\$6) and czochralski	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 04:23

S5	79	(cu or copper) near15 (si or silicon) near5 (monocrystal\$5 or single near2 crystal\$6) and czochralski and @py< "2008"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 04:23
S6	3	"05090196"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 04:34
S7	3	"05009096"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 04:34
S8	3	"05238874"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/25 04:36
S9	140	czochralski and quartz near15 (cylinder or flow near2 guid\$4)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 18:11
S10	90	czochralski and quartz near15 (cylinder or flow near2 guid\$4) and @py< "2006"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 18:12
S11	90	czochralski and quartz near15 (cylinder or flow near2 guid\$4) and @py< "2006" and quartz	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 18:13
S12	51	czochralski and quartz near15 (cylinder or flow near2 guid\$4) and @py< "2006" and quartz not near2 crucible	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 18:14
S13	35	czochralski and quartz near5 window and @py< "2006"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 19:16
S14	22	czochralski and quartz near5 window and @py< "2006" and "117"/\$.ccls.	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 19:16

S15	7	czochralski and clean near2 room near10 class	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 19:54
S16	4	"20030000457" "20030116082"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 22:46
S17	731	(si or silicon) near15 (cu or copper) near2 concentration	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 22:52
S18	28	(si or silicon) near5 (single near2 crystal\$5 or monocrystal\$6) near15 (cu or copper) near2 concentration	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 22:53
S19	15	"2003327493" "06234597" "0181661" "04108683" "5609682"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 22:58
S20	8	"03080193" "11116392"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 22:58
S21	103	(si or silicon) near5 (single near2 crystal\$5 or monocrystal\$6) and (si or silicon) near10 (cu or copper) near2 concentration	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 23:01
S22	43	(si or silicon) near5 (single near2 crystal\$5 or monocrystal\$6) and (si or silicon) near10 (cu or copper) near2 concentration and @py<"2006"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/26 23:01
S23	2	"6528394".pn.	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/27 06:11

S24	1	"6086673".pn. and scrm	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/27 06:41
S25	3	"20050093003"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/27 06:42

**EAST Search History (Interference)**

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